

=> file caplus
COST IN U.S. DOLLARS
SINCE FILE
ENTRY
TOTAL
SESSION
1.05
1.05
FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 08:31:13 ON 20 JAN 2003
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FILE COVERS 1907 - 20 Jan 2003 VOL 138 ISS 4
FILE LAST UPDATED: 19 Jan 2003 (20030119/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (multi-layer or multilayer or layered) (1) (absorbent) (1) (structure or laminate)
90713 MULTI
5 MULTIS
90717 MULTI
(MULTI OR MULTIS)
998980 LAYER
448343 LAYERS
1227217 LAYER
(LAYER OR LAYERS)
4475 MULTI-LAYER
(MULTI (W) LAYER)
80777 MULTILAYER
22643 MULTILAYERS
88631 MULTILAYER
(MULTILAYER OR MULTILAYERS)
47984 LAYERED
30545 ABSORBENT
15890 ABSORBENTS
36805 ABSORBENT
(ABSORBENT OR ABSORBENTS)
2214746 STRUCTURE
583728 STRUCTURES
2487563 STRUCTURE
(STRUCTURE OR STRUCTURES)
75093 LAMINATE
56311 LAMINATES
92492 LAMINATE
(LAMINATE OR LAMINATES)
L1 88 (MULTI-LAYER OR MULTILAYER OR LAYERED) (L) (ABSORBENT) (L) (STRUCTURE OR LAMINATE)

=> s carbon same material
939343 CARBON
21570 CARBONS
947732 CARBON
(CARBON OR CARBONS)

1198148 SAME
 55 SAMES
 1198200 SAME
 (SAME OR SAMES)
 1151036 MATERIAL
 1520970 MATERIALS
 2308833 MATERIAL
 (MATERIAL OR MATERIALS)
 L2 0 CARBON SAME MATERIAL
 (CARBON (W) SAME (W) MATERIAL)

 => s carbon(l)material
 939343 CARBON
 21570 CARBONS
 947732 CARBON
 (CARBON OR CARBONS)
 1151036 MATERIAL
 1520970 MATERIALS
 2308833 MATERIAL
 (MATERIAL OR MATERIALS)
 L3 70035 CARBON (L) MATERIAL

 => s scent signal or pleasant odor or pleasant odour
 1281 SCENT
 327 SCENTS
 1488 SCENT
 (SCENT OR SCENTS)
 320249 SIGNAL
 114638 SIGNALS
 395472 SIGNAL
 (SIGNAL OR SIGNALS)
 8 SCENT SIGNAL
 (SCENT (W) SIGNAL)
 2677 PLEASANT
 5 PLEASANTS
 2682 PLEASANT
 (PLEASANT OR PLEASANTS)
 55986 ODOR
 9665 ODORS
 60351 ODOR
 (ODOR OR ODORS)
 635 PLEASANT ODOR
 (PLEASANT (W) ODOR)
 2677 PLEASANT
 5 PLEASANTS
 2682 PLEASANT
 (PLEASANT OR PLEASANTS)
 139 ODOUR
 100 ODOURS
 231 ODOUR
 (ODOUR OR ODOURS)
 0 PLEASANT ODOUR
 (PLEASANT (W) ODOUR)
 L4 643 SCENT SIGNAL OR PLEASANT ODOR OR PLEASANT ODOUR

 => d his

 (FILE 'HOME' ENTERED AT 08:28:12 ON 20 JAN 2003)

 FILE 'CAPLUS' ENTERED AT 08:31:13 ON 20 JAN 2003
 L1 88 S (MULTI-LAYER OR MULTILAYER OR LAYERED) (L) (ABSORBENT) (L) (STRUC
 L2 0 S CARBON SAME MATERIAL
 L3 70035 S CARBON (L) MATERIAL
 L4 643 S SCENT SIGNAL OR PLEASANT ODOR OR PLEASANT ODOUR

=> s bonding (1)(areas or regions)
208764 BONDING
1812 BONDINGS
209886 BONDING
(BONDING OR BONDINGS)
214344 AREAS
357280 REGIONS
L5 4110 BONDING (L) (AREAS OR REGIONS)

=> d his
(FILE 'HOME' ENTERED AT 08:28:12 ON 20 JAN 2003)

FILE 'CAPLUS' ENTERED AT 08:31:13 ON 20 JAN 2003
L1 88 S (MULTI-LAYER OR MULTILAYER OR LAYERED) (L) (ABSORBENT) (L) (STRUC
L2 0 S CARBON SAME MATERIAL
L3 70035 S CARBON (L) MATERIAL
L4 643 S SCENT SIGNAL OR PLEASANT ODOR OR PLEASANT ODOUR
L5 4110 S BONDING (L) (AREAS OR REGIONS)

=> s 13 and 14 and 15
L6 0 L3 AND L4 AND L5

=> s 11 and 13 and 14
L7 0 L1 AND L3 AND L4

=> s 11 and 14
L8 0 L1 AND L4

=> s 11 and 13
L9 3 L1 AND L3

=> d 19 1-3 bib,abs

L9 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS
AN 2002:188827 CAPLUS
TI Organo-silicate composite materials as adsorbents for removing organic
pollutants from aqueous media
AU Abdel-Fattah, Tarek; Bishop, Brian; Grunow, Patricia
CS Department of Biology, Chemistry and Environmental Science, Christopher
Newport University, Newport News, VA, 23606, USA
SO Abstracts of Papers, 223rd ACS National Meeting, Orlando, FL, United
States, April 7-11, 2002 (2002), ENVR-142 Publisher: American Chemical
Society, Washington, D. C.
CODEN: 69CKQP
DT Conference; Meeting Abstract
LA English
AB The objective of this study involves the use of organo-silicate composite
(OSC) **materials** as novel adsorbents for removal of
2,4-dichlorophenol (DCP) from aq. media. The OSC **materials** were
synthesized using hexadecyltrimethylammonium bromide (HDTMA) and
tetraethylorthosilicate (TEOS). The products had different hexagonal
(MCM-41), cubic (MCM-48) and layered (MCM-50) **structures**
depending on HDTMA, TEOS and water ratios. These OSC **materials**
removed significant amts. of DCP from water similar to the behavior of
activated **carbon**, which is the base technol. for removing org.
pollutants from water. All OSC **materials** have faster kinetics
than activated **carbon** and removed over 97% of DCP except the
layered structure which removed only 53%. The
desorption study of OSC **materials** with DCP was detd. using 0.1M
CaCl₂ for 8 wk. All OSC adsorbents showed great stability comparable to
activated **carbon**. All OSC **materials** fit Langmuir
isotherm with high affinity const. Organo-silicate composite

materials hold great promise as novel **absorbents** for removal of org. pollutants from aq. media because of their easy synthesis, high stability and significant sorption capacity.

L9 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

AN 1988:95878 CAPLUS

DN 108:95878

TI Manufacture of plastic laminates for use as microwave absorbers

IN Hiza, Misao; Yamazaki, Hajime; Sugihara, Kazuhiro; So, Tetsu

PA Yokohama Rubber Co., Ltd., Japan

SO Eur. Pat. Appl., 4 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 243162	A2	19871028	EP 1987-303521	19870422
	EP 243162	A3	19890125		
	EP 243162	B1	19930217		
	R: DE, FR, GB, IT				
	JP 62248299	A2	19871029	JP 1986-91280	19860422
	JP 02009477	B4	19900302		
	US 4923736	A	19900508	US 1987-39720	19870420
	US 4960633	A	19901002	US 1987-39922	19870420
	CA 1295541	A1	19920211	CA 1987-535089	19870421
	CA 1273087	A1	19900821	CA 1987-535666	19870427
PRAI	JP 1986-91280		19860422		
	JP 1986-108634		19860514		

AB A **multilayer** microwave absorber, useful in ships, aircraft, and other mobile **structures**, comprises a plurality of layers differing in impedance, which are bonded together into a integral sheet by a thin layer (<0.1-mm thick) of a silicone adhesive. The absorber is capable of wave absorption over a wide band, free from deformation and distortion, highly heat and weather resistant, and uniform in thickness even in complex shapes. The outer surface layer of the absorber is formed from a thermosetting or thermoplastic resin or a silicone rubber, and is free of ferromagnetic **materials**; the **absorbent** layer, whose impedance increases progressively in the direction of incidence of microwaves, is formed from a matrix resin contg. dispersed ferroelec. or ferromagnetic **materials**; and the reflecting layer is formed from a sheet of metal or a composite sheet reinforced with a metal or **carbon** fiber. A cured epoxy resin-arom. polyamide fiber cloth prepreg (outer surface layer), a cured **carbon** black-filled silicone rubber (high impedance intermediate **absorbent** layer), and a cured epoxy resin-**carbon** fiber cloth prepreg (reflecting layer) were coated with a room-temp. vulcanizable (RTV) silicone spray to a thickness of 0.075 mm, laminated, and cured in a vacuum bag for 10 h to give an integral sheet showing absorption performance comparable to a nonbonded control.

L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

AN 1981:48757 CAPLUS

DN 94:48757

TI Laminated material for protective clothing

PA Von Blucher, Hubert, Fed. Rep. Ger.; Von Blucher, Hasso

SO Belg., 24 pp.

CODEN: BEXXAL

DT Patent

LA French

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 880768	A1	19800416	BE 1979-198676	19791220

DE 2829599	A1	19800124	DE 1978-2829599	19780705
DE 2829599	B2	19800508		
DE 2829599	C3	19810115		
PRAI DE 1978-2829599		19780705		
DE 1978-2842974		19781009		

AB **Layered materials** for protective (against fire, heat, toxic gases) clothing are manufd. by forming a **layered textile structure** from an external nonflammable textile, an intermediate layer of mineral fibers, and an internal layer of cellular plastic permeable to air, nonpermeable to water, and optionally contg. an **absorbent** for toxic substances. Thus, a **layered textile** was manufd. from an oil-, water-, and fireproofed cotton outer layer, an intermediate layer of mineral fibers bonded to cotton by a polyurethane adhesive, an internal cellular polyurethane contg. **carbon** black, and thin layer covered with a polyamide textile.

=> d his

(FILE 'HOME' ENTERED AT 08:28:12 ON 20 JAN 2003)

FILE 'CPLUS' ENTERED AT 08:31:13 ON 20 JAN 2003

L1	88 S (MULTI-LAYER OR MULTILAYER OR LAYERED) (L) (ABSORBENT) (L) (STRU
L2	0 S CARBON SAME MATERIAL
L3	70035 S CARBON(L) MATERIAL
L4	643 S SCENT SIGNAL OR PLEASANT ODOR OR PLEASANT ODOUR
L5	4110 S BONDING (L) (AREAS OR REGIONS)
L6	0 S L3 AND L4 AND L5
L7	0 S L1 AND L3 AND L4
L8	0 S L1 AND L4
L9	3 S L1 AND L3

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	48.41	49.46
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.95	-1.95

STN INTERNATIONAL LOGOFF AT 08:38:26 ON 20 JAN 2003

Set Name Query
side by side*DB=USPT,PGPB; PLUR=YES; OP=ADJ*Hit Count Set Name
result set

<u>L9</u>	l8 and l2	94	<u>L9</u>
<u>L8</u>	friction same properties	18449	<u>L8</u>
<u>L7</u>	l2 and l6	1	<u>L7</u>
<u>L6</u>	(anti-slipping or antislipping) same properties	40	<u>L6</u>
<u>L5</u>	l1 and l4	1	<u>L5</u>
<u>L4</u>	l2 and l3	468	<u>L4</u>
<u>L3</u>	friction	293889	<u>L3</u>
<u>L2</u>	absorbent article	3884	<u>L2</u>
<u>L1</u>	ANTI-slipping properties or antislipping properties	23	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 4850991 A

L5: Entry 1 of 1

File: USPT

Jul 25, 1989

US-PAT-NO: 4850991

DOCUMENT-IDENTIFIER: US 4850991 A

TITLE: Absorbent article

DATE-ISSUED: July 25, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakanishi; Minoru	Utsunomiya			JP
Sakurai; Akira	Utsunomiya			JP
Kobayashi; Takatoshi	Utsunomiya			JP
Meiwa; Zenbei	Wakayama			JP
Abe; Norihiro	Utsunomiya			JP

US-CL-CURRENT: 604/387; 428/317.7, 428/402, 428/407, 442/375, 442/398, 604/369,
604/372, 604/386, 604/391

ABSTRACT:

An absorbent article comprises a liquid-permeable surface sheet, a liquid-impermeable leak-proof sheet and an absorbent layer disposed between the two sheets, said leak-proof sheet having on the outside surface a composite comprising a hydrophobic polymer having a glass transition temperature of zero degree centigrade or lower and foamed beads of a polymer. It is improved in the anti-slipping property, the leak-proof property and the permeability to moisture.

6 Claims, 21 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

GLS.1

SEQ.1

ATT.1

Full Title

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Term	Documents
(1 AND 4).USPT,PGPB.	1
(L1 AND L4).USPT,PGPB.	1

Display Format:

[Previous Page](#) [Next Page](#)

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[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 7 of 7 returned.****1. Document ID: US 5733629 A**

L1: Entry 1 of 7

File: USPT

Mar 31, 1998

US-PAT-NO: 5733629

DOCUMENT-IDENTIFIER: US 5733629 A

TITLE: Wet slip resistant sorbent article

DATE-ISSUED: March 31, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Insley, Thomas I.	Lake Elmo	MN		

US-CL-CURRENT: 428/141, 428/198, 442/101, 442/164, 442/170, 442/171, 442/351,
442/394, 442/396, 442/398, 442/400, 442/414, 442/50

ABSTRACT:

A sorbent article comprises a sorbent layer having first and second major surfaces and a texturized polymeric skin layer secured to the first major surface of the sorbent layer. The article has a stiffness of about 200 N/g.cm.sup.-2 or less. An article of this construction has excellent sorptive and non-slip properties, making it well suited for use on floors and other work surfaces. Wet kinetic coefficients of friction of 0.4 and greater can be demonstrated by the inventive articles. The article improves the safety of persons who need to stand, walk, or otherwise safely function on floors or other surfaces that are susceptible to wet conditions.

20 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

[Full](#) | [Title](#) | [Citation](#) | [Print](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMM](#) | [Drawn Desc](#) | [Image](#)**2. Document ID: US 5609588 A**

L1: Entry 2 of 7

File: USPT

Mar 11, 1997

US-PAT-NO: 5609588

DOCUMENT-IDENTIFIER: US 5609588 A

TITLE: Article having a non-absorbent resilient layer

DATE-ISSUED: March 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DiPalma; Joseph	Neenah	WI		
King; David R.	Neenah	WI		
Gilman; Thomas H.	Appleton	WI		
Couture-Dorschner; Laurie	Hortonville	WI		
Stilp; Timothy S.	Appleton	WI		
Finch; Valerie V.	Neenah	WI		

US-CL-CURRENT: 604/369; 428/332, 428/337, 604/378, 604/387

ABSTRACT:

An absorbent article, such as a sanitary napkin, has an absorbent and a substantially non-absorbent resilient layer adjacent to the absorbent. The absorbent is sufficiently stiff to resist twisting of the absorbent article during use. The resilient layer is sufficiently resilient to resist bunching during use. As a result, the absorbent article resists both twisting and bunching. The absorbent article has zones which vary in caliper, stiffness and absorbency. A central absorbent zone is thickest in caliper, more absorbent than the other zones and is stiffer than the other zones. An adjacent zone is less thick in caliper, less absorbent and less stiff. A peripheral zone, located near the outer side edges, is least thick in caliper, least absorbent and least stiff.

24 Claims, 13 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [SMSC](#) | [Draw Desc](#) | [Image](#)

3. Document ID: US 5415650 A

L1: Entry 3 of 7

File: USPT

May 16, 1995

US-PAT-NO: 5415650

DOCUMENT-IDENTIFIER: US 5415650 A

TITLE: Attachment system and method of attaching an absorbent article to an undergarment

DATE-ISSUED: May 16, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sigl; Wayne C.	Neenah	WI		

US-CL-CURRENT: 604/387; 604/385.03, 604/389, 604/393, 604/397

ABSTRACT:

An attachment system and a method of attaching an absorbent article to an undergarment is disclosed. The attachment system includes an absorbent article having an absorbent, a liquid permeable cover and a liquid-permeable baffle. The cover and baffle cooperate to enclose the absorbent and form a pad having a garment facing surface, at least a portion of which is coated with a first cohesive-adhesive. The attachment system also includes an undergarment which is designed to be worn about the torso of a human body. The undergarment has a crotch portion which is at least partially coated with a second cohesive-adhesive. The

absorbent article is positioned on and held secure to the crotch portion of the undergarment by cohering the first cohesive-adhesive to the second cohesive-adhesive.

13 Claims, 11 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[HOME](#) | [Draw Desc](#) | [Image](#)

4. Document ID: US 5395359 A

L1: Entry 4 of 7

File: USPT

Mar 7, 1995

US-PAT-NO: 5395359

DOCUMENT-IDENTIFIER: US 5395359 A

TITLE: Absorbent article

DATE-ISSUED: March 7, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakanishi; Minoru	Minamikawachi			JP
Yamamoto; Satoshi	Utsunomiya			JP
Hamajima; Mitsugu	Utsunomiya			JP
Koseki; Yukimitsu	Mashiko			JP

US-CL-CURRENT: 604/378

ABSTRACT:

An absorbent article which comprises an absorbent element which at least partially comprises an absorbent sheet A prepared by applying a pressure-sensitive adhesive 3 having a suitable adhesive power to an absorbent material 1 having a suitable liquid-absorbent (or retentive) power in the form of dot, line or curve (spiral curve or the like) with the pressure-sensitive adhesive in a suitable density; spreading an absorbent polymer 2 thereon; putting another sheet of the absorbent material 1 thereon, and compressing the assemblage into a composite structure. In the course of the absorption of a liquid, the liquid is first stocked in the absorbent material having a high initial absorption velocity, and is gradually transferred to the absorbent polymer by capillary power as the driving force and absorbed therein, while the absorbent polymer is prevented from falling off from the absorbent material by the pressure-sensitive adhesive, whereby the properties of the absorbent polymer can be exhibited to the fullest.

14 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[HOME](#) | [Draw Desc](#) | [Image](#)

5. Document ID: US 5230958 A

L1: Entry 5 of 7

File: USPT

Jul 27, 1993

US-PAT-NO: 5230958

DOCUMENT-IDENTIFIER: US 5230958 A

TITLE: Hydrophilic polymers for incorporating deodorants in absorbent structures

DATE-ISSUED: July 27, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dabi; Shmuel	Highland Park	NJ		

US-CL-CURRENT: 428/402; 424/489, 428/403, 428/407, 428/905

ABSTRACT:

There is disclosed the process of incorporating a deodorant powder (of various mechanisms of action) into a hydrophilic, swellable, water-insoluble absorbent crosslinked polymer, which swellable polymer is coated on a thin, flexible, substrate e.g. a non-woven web, a paper tissue, or a water-insensitive film, and the resultant flexible structures which contain the deodorant powders, held in a dust-free stable manner, and their use as one or more components of body fluid absorbent structures such as sanitary napkins.

3 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC	Drawn Desc	Image
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 6. Document ID: US 5128187 A

L1: Entry 6 of 7

File: USPT

Jul 7, 1992

US-PAT-NO: 5128187

DOCUMENT-IDENTIFIER: US 5128187 A

TITLE: Attachment tape for foam-backed absorbent product

DATE-ISSUED: July 7, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Polski; Stephen P.	St. Paul	MN		

US-CL-CURRENT: 428/41.3; 428/317.1, 428/317.3, 428/317.7, 428/354, 428/355BL,
604/385.05, 604/387, 604/389

ABSTRACT:

A polyethylene-containing foam-backed absorbent article having an adhesive patch comprised of 25 to 50 parts of an A-B block copolymer and 25-50 parts of solid tackifying resin and liquid resin and/or plasticizing oil. The adhesive not exhibiting any adhesive transfer when removed from a cotton fabric after one hour at 100.degree. F. and 0.25 P.S.I.

14 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KMD](#) | [Draw Desc](#) | [Image](#)**7. Document ID: US 4850991 A**

L1: Entry 7 of 7

File: USPT

Jul 25, 1989

US-PAT-NO: 4850991DOCUMENT-IDENTIFIER: US 4850991 A

TITLE: Absorbent article

DATE-ISSUED: July 25, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakanishi; Minoru	Utsunomiya			JP
Sakurai; Akira	Utsunomiya			JP
Kobayashi; Takatoshi	Utsunomiya			JP
Meiwa; Zenbei	Wakayama			JP
Abe; Norihiro	Utsunomiya			JP

US-CL-CURRENT: 604/387, 428/317.7, 428/402, 428/407, 442/375, 442/398, 604/369,
604/372, 604/386, 604/391

ABSTRACT:

An absorbent article comprises a liquid-permeable surface sheet, a liquid-impermeable leak-proof sheet and an absorbent layer disposed between the two sheets, said leak-proof sheet having on the outside surface a composite comprising a hydrophobic polymer having a glass transition temperature of zero degree centigrade or lower and foamed beads of a polymer. It is improved in the anti-slipping property, the leak-proof property and the permeability to moisture.

6 Claims, 21 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KMD](#) | [Draw Desc](#) | [Image](#)[Generate Collection](#)[Print](#)

Term	Documents
"4850991".USPT.	7
4850991S	0
"4850991".USPT.	7
(4850991).USPT.	7

WEST

Search Results - Record(s) 1 through 2 of 2 returned. **1. Document ID: US 4738674 A**

L1: Entry 1 of 2

File: USPT

Apr 19, 1988

US-PAT-NO: 4738674
DOCUMENT-IDENTIFIER: US 4738674 A

TITLE: Moisture indicator apparatus and method

DATE-ISSUED: April 19, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Todd, Henry E.	Lakeland	FL	33803	
Eidus, Mildred	Tampa	FL	33685	

US-CL-CURRENT: 604/361; 5/484

ABSTRACT:

Moisture indicator strips of the capillary action type which provide a visual indication of wetness for diapers, hospital underpads, and the like, are located at a point removed from the actual point of wetness, such as at the edge of the diaper or surgical dressing. This invention further relates to a method for automatically and continuously incorporating a wetness indicator within the structure of the diaper or under pad during the manufacture thereof.

9 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

 2. Document ID: US 4231370 A

L1: Entry 2 of 2

File: USPT

Nov 4, 1980

US-PAT-NO: 4231370
DOCUMENT-IDENTIFIER: US 4231370 A

TITLE: Disposable diaper type garment having wetness indicator

DATE-ISSUED: November 4, 1980

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mroz; Judith C.	Cincinnati	OH		
Thomas; Dennis A.	Cincinnati	OH		

US-CL-CURRENT: 604/361; 116/206, 428/913, 604/372, 604/373, 604/389

ABSTRACT:

An improved absorbent product, such as a disposable diaper type garment having a wetness indicator disposed between a translucent cover member and an absorbent member. The improvement relates to providing a flexible pH-change/color-change wetness indicator coating on a surface portion of the product which is visible through the cover member, and which retains sharp edge definition of the coated surface portion when wetted; for instance, by urine. The coating is preferably applied in the form of a stripe to a portion of the inwardly facing surface of a backsheet of a disposable diaper. Such a coating comprises a solid-solid mixture (e.g., solution) of a pH-change/color-change type material dispersed in a matrix of adhesive material which coating is sufficiently flexible to not substantially impair the flexibility of the product, and which coating is sufficiently adhesive and flexible to remain on the coated surface portion through a normal period of use of the product.

7 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [PMC](#) | [Drawings](#) | [Image](#)

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Term	Documents
"4738674"[USPT]	1
4738674S	0
"4231370"[USPT]	1
4231370S	0
("4738674" OR "4231370")[PN].USPT.	2
((4738674 OR 4231370)[PN]).USPT.	2

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L2: Entry 1 of 5

File: DWPI

Jan 27, 1999

DERWENT-ACC-NO: 1999-073466

DERWENT-WEEK: 199907

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Disposable nappy with wetness indicator - has thin strip of absorbent paper with high capillary action connecting to an indicator which changes colour on contact with liquid to show when nappy change is required

INVENTOR: ABBOTT, R

PRIORITY-DATA: 1997GB-0015364 (July 21, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
GB <u>2327354</u> A	January 27, 1999		009	A61F013/42

INT-CL (IPC): A61 F 13/42

ABSTRACTED-PUB-NO: GB 2327354A

BASIC-ABSTRACT:

The nappy comprises an outer covering (2), an inner covering (3) and wadding (4) and includes a thin strip (6) of absorbent paper or like material with high capillary action connecting to an indicator (5) which changes colour on contact with liquid to show that the nappy is ready for changing. The indicator may be visible through a panel (7).

USE - To collect body waste from babies or incontinent patients, or animals.

ADVANTAGE - Indicator is visible without removing the nappy. Eliminates the need to change the nappy unnecessarily.

WEST

Search Results - Record(s) 1 through 3 of 3 returned.**1. Document ID: US 20020168216 A1**

L8: Entry 1 of 3

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020168216
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020168216 A1

TITLE: Cleaning composition, pad, wipe, implement, and system and method of use thereof

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Policicchio, Nicola John	Mason	OH	US	
Rhamy, Preston James	Cincinnati	OH	US	
Dusing, Michael William	Louisville	KY	US	
Willman, Kenneth William	Fairfield	OH	US	
Jackson, Rhonda Jean	Cincinnati	OH	US	

US-CL-CURRENT: 401/270; 401/138, 401/140

ABSTRACT:

Cleaning compositions, pads, wipes, and implements provide effective cleaning of hard surfaces.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn Desc](#) | [Image](#)

2. Document ID: US 20020166573 A1

L8: Entry 2 of 3

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020166573
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020166573 A1

TITLE: Cleaning composition, pad, wipe implement, and system and method of use thereof

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Policicchio, Nicola John	Mason	OH	US	
Rhamy, Preston James	Cincinnati	OH	US	
Dusing, Michael William	Louisville	KY	US	
Willman, Kenneth William	Fairfield	OH	US	
Jackson, Rhonda Jean	Cincinnati	OH	US	

US-CL-CURRENT: 134/6

ABSTRACT:

Cleaning compositions, pads, wipes, and implements provide effective cleaning of hard surfaces.

[Full](#) | [Title](#) | [Citation](#) | [Faint](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [RNC](#) | [Drawn Base](#) | [Image](#)

3. Document ID: US 20020141898 A1

L8: Entry 3 of 3

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020141898

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020141898 A1

TITLE: Layered absorbent structure for neutralizing odour and absorbing liquid in inanimate places and a method of containment of odour and liquid in inanimate places using the same

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Carlucci, Giovanni	Chieti		IT	
Fabrizio, Giuliana	Carpineto Della Nora (Pescara)		IT	
Gagliardi, Ivano	Pescara		IT	
Gonzales, Denis Alfred	Pescara		IT	
Klabbers, Victor	Grimbergen		BE	
S'Heeren, Gert Erik Erwin	Tessenderlo		BE	

US-CL-CURRENT: 422/5; 422/122, 442/101, 442/121, 442/265, 442/267, 442/285, 442/393

ABSTRACT:

A method of containment of odor and liquid in an inanimate place is disclosed by disposing in said place, a disposable absorbent structure in the form of sheet, this absorbent structure comprising an odor control means and having a water absorption capacity of at least 0.06 grams per square cm. This method is particularly suitable for kitchen applications like the control of liquid and odor in refrigerators. Suitable layered absorbent structures for use in inanimate places are also disclosed.

[Full](#) | [Title](#) | [Citation](#) | [Faint](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [RNC](#) | [Drawn Base](#) | [Image](#)

Term	Documents
(5 AND 7 AND 4 AND 3).USPT,PGPB.	3
(L7 AND L5 AND L4 AND L3).USPT,PGPB.	3

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Search Results -

Term	Documents
(5 AND 7 AND 4 AND 3).USPT,PGPB.	3
(L7 AND L5 AND L4 AND L3).USPT,PGPB.	3

Database:

US Patents Full Text Database
US Patents Citation Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L8

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Search History

DATE: Monday, January 20, 2003 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

DB=USPT,PGPB; PLUR=YES; OP=ADJ

		<u>Hit Count</u>	<u>Set Name</u>
			result set
<u>L8</u>	17 and 15 and 14 and 13	3	<u>L8</u>
<u>L7</u>	(multi-layer or multilayer or layered) same absorbent same (structure or laminate)	1139	<u>L7</u>
<u>L6</u>	12 and 13 and 14 and 15	1	<u>L6</u>
<u>L5</u>	scent signal or pleasant odour or pleasant odor	928	<u>L5</u>
<u>L4</u>	bonding same (areas or regions)	50241	<u>L4</u>
<u>L3</u>	carbon same material	205192	<u>L3</u>
<u>L2</u>	layered same absorbent same (structure or laminate)	802	<u>L2</u>
<u>L1</u>	layered same absorbent same structure	700	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 7 of 7 returned.

 1. Document ID: US 5782409 A

L3: Entry 1 of 7

File: USPT

Jul 21, 1998

US-PAT-NO: 5782409

DOCUMENT-IDENTIFIER: US 5782409 A

TITLE: Air freshening and deodorizing system

DATE-ISSUED: July 21, 1998

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Paul; Leonard	Bloomfield	CT	06002	

US-CL-CURRENT: 239/56; 239/58, 428/905

ABSTRACT:

By securely sealing odor absorbing material and fragrance producing compositions separately in a flexible container, preferably formed from multi-layered sheet material, a unique and highly desirable air freshening and deodorizing system is attained. In the preferred embodiment, the odor absorbing material is retained by at least one microporous or permeable membrane to prevent unwanted dispersion of the odor absorbing material into the ambient surroundings, while also controlling the rate of transfer of the ambient air into contact with the odor absorbing material. In addition, fragrance producing compositions are incorporated into the container to provide the desired fragrance simultaneously with the absorption of odors from the ambient surroundings. Preferably, the air freshening and deodorizing system of this invention employs a small, compact and flexibly moldable container or housing which enables the system to be easily positioned in any desired location, regardless of the size constraints imposed thereon.

27 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[Image](#) | [Draw Desc](#) | [Images](#) 2. Document ID: US 5611486 A

L3: Entry 2 of 7

File: USPT

Mar 18, 1997

US-PAT-NO: 5611486

DOCUMENT-IDENTIFIER: US 5611486 A

TITLE: Air freshening and/or deodorizing system

DATE-ISSUED: March 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Paul; Leonard	Bloomfield	CT	06002	

US-CL-CURRENT: 239/56; 239/58, 428/905

ABSTRACT:

By securely sealing odor absorbing material in a flexible container formed from a multi-layered sheet material, a unique and highly advantageous air freshening and/or deodorizing system is attained. In the preferred embodiment, the odor absorbing material is retained by at least one microporous or permeable membrane to prevent unwanted dispersion of the odor absorbing material into the ambient surroundings, while also controlling the rate of transfer of the ambient air into contact with the odor absorbing material. In addition, in the preferred embodiment, the air freshening and/or deodorizing system of this invention employs a small, compact and flexibly moldable container or housing which enables the system to be easily positioned in any desired location, regardless of the size constraints imposed thereon.

10 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [RMD](#) | [Draw Desc](#) | [Image](#)

3. Document ID: US 5593670 A

L3: Entry 3 of 7

File: USPT

Jan 14, 1997

US-PAT-NO: 5593670

DOCUMENT-IDENTIFIER: US 5593670 A

TITLE: Uncomplexed cyclodextrin solutions for odor control on inanimate surfaces

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Trinh; Toan	Maineville	OH		
Cappel; Jerome P.	Cincinnati	OH		
Geis; Philip A.	West Chester	OH		
McCarty; Mark L.	Loveland	OH		
Pilosof; David	Cincinnati	OH		
Zwerdling; Susan S.	Wyoming	OH		
Tordil; Helen B.	West Chester	OH		

US-CL-CURRENT: 424/76.1; 424/76.2, 424/76.21, 424/76.4, 424/76.8

ABSTRACT:

The present invention relates to a stable, aqueous odor-absorbing composition, for use on inanimate surfaces. The composition comprises from about 0.1% to about 5%, by

weight of the composition, of solubilized, water-soluble, uncomplexed cyclodextrin, from about 0.01% to about 1%, by weight of the composition of low molecular weight polyols. Optionally, but preferably, an effective amount of solubilized, water-soluble, antimicrobial preservative, having a water-solubility of greater than about 0.3% and perfume. The composition is essentially free of any material that would soil or stain fabric.

31 Claims, 0 Drawing figures

Exemplary Claim Number: 1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KOMC](#) | [Drawn Desc](#) | [Image](#)

4. Document ID: US 4704233 A

L3: Entry 4 of 7

File: USPT

Nov 3, 1987

US-PAT-NO: 4704233

DOCUMENT-IDENTIFIER: US 4704233 A

TITLE: Detergent compositions containing ethylenediamine-N,N'-disuccinic acid

DATE-ISSUED: November 3, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hartman; Frederick A.	Cincinnati	OH		
Perkins; Christopher M.	Cincinnati	OH		

V

US-CL-CURRENT: 510/337; 510/299, 510/303, 510/318, 510/340, 510/351, 510/357,
510/359, 510/361, 510/480

ABSTRACT:

Laundry detergent compositions containing a detergent surfactant, a detergent builder, and from about 0.1% to about 10% by weight ethylenediamine-N,N'-disuccinic acid or salts thereof are disclosed. These compositions provide enhanced removal of organic stains, such as food and beverage stains.

24 Claims, 0 Drawing figures

Exemplary Claim Number: 1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KOMC](#) | [Drawn Desc](#) | [Image](#)

5. Document ID: US 4289513 A

L3: Entry 5 of 7

File: USPT

Sep 15, 1981

US-PAT-NO: 4289513

DOCUMENT-IDENTIFIER: US 4289513 A

TITLE: Activated sorbtion paper and products produced thereby

DATE-ISSUED: September 15, 1981

V

INVENTOR-INFORMATION:

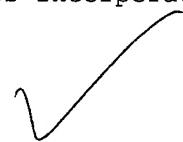
NAME	CITY	STATE	ZIP CODE	COUNTRY
Brownhill; Richard D.	Lee	MA		
Wilkinson, Jr.; Darcy B.	Lee	MA		

US-CL-CURRENT: 96/135; 162/158, 428/131, 428/166, 428/182, 428/186, 428/323,
428/331, 55/521, 55/527, 55/528, 55/DIG.28, 604/359, 604/385.01

ABSTRACT:

This invention relates to a sorbtion paper which comprises a fibrous base paper material which is resiliently flexible and which is further characterized by being substantially free from loose, dusty sorbtion particles and by being substantially free of lumps and holes. Activated sorbtion particles are disbursed in the fibrous paper base material, the sorbtion particles being substantially uniformly dispersed throughout all dimensions of the base material and the activated sorbtion material being present in an amount of up to about 85% based on the weight of the base paper material. The activated sorbtion particles are characterized by a size of less than about 1,000 microns and an activation rating of less than about 250%. This invention further relates to sorbtion devices for use in combination with internal combustion engines and liquid body waste devices incorporating the above-recited sorbtion paper.

3 Claims, 12 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4



[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

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6. Document ID: US 3812044 A

L3: Entry 6 of 7

File: USPT

May 21, 1974

US-PAT-NO: 3812044
DOCUMENT-IDENTIFIER: US 3812044 A

TITLE: TEXT NOT AVAILABLE

DATE-ISSUED: May 21, 1974

US-CL-CURRENT: 510/477; 510/357, 510/361, 510/489, 510/495

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

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7. Document ID: US 3340875 A

L3: Entry 7 of 7

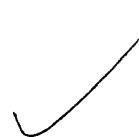
File: USPT

Sep 12, 1967

US-PAT-NO: 3340875
DOCUMENT-IDENTIFIER: US 3340875 A

TITLE: TEXT NOT AVAILABLE

DATE-ISSUED: September 12, 1967



US-CL-CURRENT: 604/359; 604/372, D24/125[Full](#) | [Title](#) | [Edition](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[NAME](#) | [Draw Desc](#) | [Freeze](#)[Generate Collection](#)[Print](#)

Term	Documents
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"5611486"[USPT]	1
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"5593670"[USPT]	1
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[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 4 of 4 returned.** 1. Document ID: US 6175056 B1

L1: Entry 1 of 4

File: USPT

Jan 16, 2001

US-PAT-NO: 6175056

DOCUMENT-IDENTIFIER: US 6175056 B1

TITLE: Disposable absorbent article having an expanding topsheet and being capable of self-shaping in use

DATE-ISSUED: January 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Carlucci; Giovanni	Chieti			IT
Giorgini; Gennaro	Roseto			IT
D'Alessio; Nicola	Pescara			IT
Tamburro; Maurizio	Pescara			IT

US-CL-CURRENT: 604/369; 604/374, 604/375, 604/379, 604/385.01

ABSTRACT:

A disposable absorbent article is provided which is substantially flat prior to use for wearing adjacent a body discharge area having a longitudinal centerline and a lateral centerline orthogonal thereto, and defining longitudinal and lateral directions respectively. The disposable absorbent article includes a liquid pervious top sheet, a back sheet joined to the top sheet, and an absorbent core intermediate the back sheet and the top sheet. The absorbent core includes an expanding member for expanding the article into a tridimensional structure while being worn by a user. The expanding member is activated by body fluids. The top sheet is capable of expanding as the absorbent article expands upon activation by body fluids.

8 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [MMC](#) | [Drawn Desc](#) | [Image](#) 2. Document ID: US 6096299 A

L1: Entry 2 of 4

File: USPT

Aug 1, 2000

US-PAT-NO: 6096299

DOCUMENT-IDENTIFIER: US 6096299 A

TITLE: Odor control material

DATE-ISSUED: August 1, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guarracino; Mario	Silivi			IT
Carlucci; Giovanni	Chieti			IT
Di Cintio; Achille	Pescara			IT

US-CL-CURRENT: 424/76.1; 424/402, 424/404, 424/76.8, 424/76.9

ABSTRACT:

An absorbent article is disclosed for absorbing bodily fluids which has incorporated therein an odor control material for decreasing bodily odor which material comprises a zeolite having an average particle size (distribution by weight in sieve analysis) of at least 200 um. The zeolite may optionally be mixed with an absorbent gelling material and/or activated carbon.

12 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

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3. Document ID: US 5944704 A

L1: Entry 3 of 4

File: USPT

Aug 31, 1999

US-PAT-NO: 5944704

DOCUMENT-IDENTIFIER: US 5944704 A

TITLE: Odor control material

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guarracino; Mario	Silivi			IT
Carlucci; Giovanni	Chieti			IT

US-CL-CURRENT: 604/359

ABSTRACT:

An absorbent article including an odour control material and in particular to an article for absorbing fluids, for example, bodily fluids, the said article having incorporated therein a buffer as odour control material, which buffer has a pH in the range of from pH 7 to 10.

15 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[RWD](#) | [Draw Desc](#) | [Image](#)

4. Document ID: US 5262223 A

L1: Entry 4 of 4

File: USPT

Nov 16, 1993

US-PAT-NO: 5262223

DOCUMENT-IDENTIFIER: US 5262223 A

TITLE: Absorbent element and an absorbent article including the element

DATE-ISSUED: November 16, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Palumbo; Gianfranco	Pescara			IT
Carlucci; Giovanni	Chieti			IT
Di Girolamo; Remo	Pescara			IT

US-CL-CURRENT: 428/195; 428/198, 428/206, 428/323, 428/913, 604/367, 604/368

ABSTRACT:

An absorbent element for absorbent articles comprised of hydrophilic fibers and a discontinuous, non-uniform layer of particles of absorbent hydrogelling material arranged on the upper surface of the element includes a deposition zone on which the absorbent hydrogelling material is distributed with an increased surface density.

The zone of increased surface density of the absorbent hydrogelling material can preferably be located in different positions suitable for the different anatomical forms of the users, so as to ensure more effective sealing against the backflow of the liquid and thus ensure an improved feeling of dryness.

20 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Revert](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KMD](#) | [Draw Desc](#) | [Image](#)

Term	Documents
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"6175056"[USPT]	1
6175056S	0
"5944704"[USPT]	1
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File: DWPI

Apr 28, 1995

DERWENT-ACC-NO: 1995-163946

DERWENT-WEEK: 199522

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TITLE: Nappy with urine indicator strip - has indicator strip impregnated with colour change chemical and covered by transparent strip in outer layer.

INVENTOR: PARRAT, J P A

PRIORITY-DATA: 1993FR-0012769 (October 20, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
FR <u>2711317</u> A1	April 28, 1995		005	A61F013/42

INT-CL (IPC): A61 F 13/42

ABSTRACTED-PUB-NO: FR 2711317A

BASIC-ABSTRACT:

The nappy has its inner layer of material made with a central strip of a fabric impregnated with a chemical which causes it to change colour in the presence of urine. The strip is preferably 1 cm wide and 20 cm long and the outer layer of the nappy has a strip (1) of a transparent plastic material which covers the inner strip and allows a colour change to be seen through it.

ADVANTAGE - Provides indication of presence of urine without having to open nappy.